



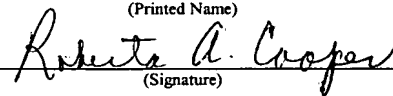
10-04-04

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Atty. Dkt. No. 054821-0875

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gerolf Richter
Title: METHOD FOR
DETERMINATION OF THE
CHARGE DRAWN BY AN
ENERGY STORAGE BATTERY
Appl. No.: 10/706,541
Filing Date: 11/12/2003
Examiner: To be determined
Art Unit: 2838

CERTIFICATE OF EXPRESS MAILING	
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EV 505795187 US	10/01/04
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to OG Notice dated August 5, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language documents is described in the English-language abstracts for the documents provided herewith except for DE 69900638, DE 69423918, DE 69131276 and DE 68924169. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

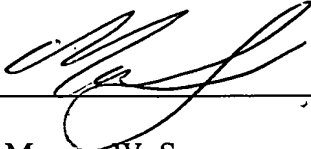
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to
Deposit Account No. 06-1447.

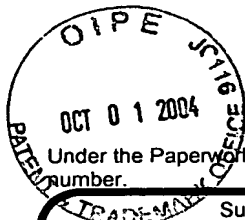
Respectfully submitted,

Date 10/1/2004

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By 

Marcus W. Sprow
Attorney for Applicant
Registration No. 48,580



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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: October 1, 2004

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/706,541
Filing Date	11/12/2003
First Named Inventor	Gerolf Richter
Group Art Unit	2838
Examiner Name	To be determined
Attorney Docket Number	054821-0875

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	2004/0021468	A1	Dougherty et al.	02-05-2004	
	A2	2003/0236656	A1	Dougherty	12-25-2003	
	A3	6,653,818	B2	Laig-Horstebroek et al.	11-25-2003	
	A4	6,608,482	B2	Sakai et al.	08-19-2003	
	A5	2003/0142228	A1	Flach et al.	07-31-2003	
	A6	6,600,293	B2	Kikuchi	07-29-2003	
	A7	6,600,237	B1	Meissner	07-29-2003	
	A8	2003/0082440	A1	Mrotek et al.	05-01-2003	
	A9	6,556,019	B2	Bertness	04-29-2003	
	A10	6,534,992	B2	Meissner et al.	03-18-2003	
	A11	2003/0047366	A1	Andrew et al.	03-13-2003	
	A12	6,522,148	B2	Ochiai, et al.	02-18-2003	
	A13	6,515,456	B1	Mixon	02-04-2003	
	A14	6,515,452	B2	Choo	02-04-2003	
	A15	6,507,194	B2	Suzuki	01-14-2003	
	A16	6,495,990	B2	Champlin	12-17-2002	
	A17	6,472,875	B1	Meyer	10-29-2002	
	A18	6,452,361	B2	Dougherty et al.	09-17-2002	
	A19	6,445,158	B1	Bertness et al.	09-03-2002	
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	A21	6,424,157	B1	Gollomp et al.	07-23-2002	
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	A24	6,392,414	B2	Bertness	05-21-2002	
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	A27	6,388,421	B2	Abe	05-14-2002	
	A28	6,369,578	B1	Crouch, Jr. et al.	04-09-2002	
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	A31	2002/0008495	A1	Dougherty et al.	01-24-2002	
	A32	6,331,762	B1	Bertness	12-18-2001	
	A33	6,304,059	B1	Chalasani et al.	10-16-2001	
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	A35	6,296,593	B1	Gotou et al.	10-02-2001	
	A36	6,271,642	B1	Dougherty et al.	08-07-2001	
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	A39	6,160,382		Yoon et al.	12-12-2000	
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	A42	6,118,252		Richter	09-12-2000	

Examiner
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				Application Number	10/706,541
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				First Named Inventor	Gerolf Richter
				Group Art Unit	2838
				Examiner Name	To be determined
Sheet	2	of	6	Attorney Docket Number	054821-0875

U.S. PATENT DOCUMENTS					
		U.S. Patent Document			
	A43	6,091,325	Zur et al.	07-18-2000	
	A44	6,087,808	Pritchard	07-11-2000	
	A45	6,057,666	Dougherty et al.	05-02-2000	
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	A50	5,977,654	Johnson et al.	11-02-1999	
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	A64	5,698,965	York	12-16-1997	
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Examiner Signature	Date Considered
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				Group Art Unit	2838
				Examiner Name	To be determined
Sheet	3	of	6	Attorney Docket Number	054821-0875

U.S. PATENT DOCUMENTS					
		U.S. Patent Document			
	A87	5,159,272		Rao et al.	10-27-1992
	A88	5,130,699		Reher et al.	07-14-1992
	A89	5,079,716		Lenhardt et al.	01-07-1992
	A90	5,055,656		Farah et al.	10-08-1991
	A91	5,032,825		Kuznicki	07-16-1991
	A92	5,002,840		Klebenow et al.	03-26-1991
	A93	4,952,861		Horn	08-28-1990
	A94	4,943,777		Nakamura et al.	07-24-1990
	A95	4,937,528		Palanisamy	06-26-1990
	A96	4,888,716		Ueno	12-19-1989
	A97	4,876,513		Brilmyer et al.	10-24-1989
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	A99	4,719,427		Morishita et al.	01-12-1988
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	A102	4,642,600		Gummelt et al.	02-10-1987
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	A104	4,322,685		Frailing et al.	03-30-1982
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A109	WO	03/001224	A1	Johnson Controls Technology	01-03-2003		
	A110	DE	699 00 638	T2	Alvarez	08-22-2002		
	A111	DE	100 21 161	A1	Kaiser	10-31-2001		
	A112	DE	93 21 638	U1	Champlin	08-30-2001		
	A113	EP	1 120 641	A2	Illinois Tool Works, Inc.	08-01-2001		
	A114	EP	1 116 958	A2	VB Autobatterie GmbH	07-18-2001		
	A115	DE	199 52 693	A1	Akkumulatorenfabrik Moll GmbH & Co.	05-23-2001		
	A116	DE	199 60 761	C1	Schöner et al.	05-23-2001		
	A117	WO	01 15023		Motorola, Inc.	03-01-2001		
	A118	DE	694 23 918	T2	Shelton et al.	08-03-2000		
	A119	DE	198 47 648	A1	VB Autobatterie GmbH et al.	04-20-2000		
	A120	WO	00/04620		Alliedsignal, Inc.	01-27-2000		
	A121	DE	691 31 276	T2	Champlin	12-30-1999		
	A122	WO	99 66340		Korea Kumho Petrochemical Co., Ltd.	12-23-1999		

Examiner Signature		Date Considered	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A123	DE	197 50 309	A1	VB Autobatterie GmbH	05-20-1999		
	A124	WO	99 17128		Siemens Automotive S.A.	04-08-1999		
	A125	WO	97/15839		Globe-Union, Inc.	05-01-1997		
	A126	DE	195 43 874		Yazaki Corp.	05-30-1996		
	A127	DE	195 40 827	A1	Mercedes-Benz Aktiengesellschaft	05-23-1996		
	A128	DE	689 24 169	T2	Alliedsignal, Inc.	03-21-1996		
	A129	DE	43 39 568		Robert Bosch GmbH	05-24-1995		
	A130	DE	44 14 134	A1	Dial Engineering AG	11-10-1994		
	A131	EP	0 516 336	B1	Fang	02-12-1992		
	A132	DE	40 07 883	A1	Moto Meter AG	09-19-1991		
	A133	DE	39 01 680	A1	Doduco GmbH et al.	03-22-1990		
	A134	DE	38 08 559	A1	Hella KG Hueck & Co.	09-28-1989		
	A135	DE	37 12 629	C2	Hitachi, Ltd.	10-15-1987		
	A136	DE	33 34 128	A1	Licentia Patent-Verwaltungs-GmbH	04-04-1985		
	A137	DE	25 11 426	A1	Illinois Tool Works, Inc.	09-25-1975		
	A138	DE	2 242 510	C3	Bader	04-04-1974		
	A139	DE	22 42 410		Kimura et al.	03-22-1973		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A140	Intel '88 – Tenth International communications Energy Conference, "A look at the Impedance of a Cell – S.L. DeBardelaben, New York Telephone Company," bearing a designation "October 30-November 2, 1988." (6 sheets)	
	A141	Battery Alert, Ltd., "The Easy-to-Install Battery Deterioration Warning Device", 12 Volt Model (BA101) Advertisement (2 sheets)	
	A142	Journal of Applied Electrochemistry, Volume 10 Number 1, January 1980 – The Impedance of Electrical Storage Cells – N.A. Hampson, s.A.G.R. Karunathilaka, Department of Chemistry, R. Leek, Department of Electronic and Electrical Engineering, University of Technology, Loughborough, Liecestershire, UK (11 sheets).	
	A143	Battery Evaluation Reports, s.e. Ross Laboratories, Inc., April 1999 (1 page)	
	A144	HSR-003 Application Notes, Hermetic Switch, Inc., Highway 92, Post Office Box 2220, Chickasha, OK 73023, http://www.hermeticswitch.com/RS_frm.htm , available at least by 01/07/03 (1 page)	

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	A145	How It Works: Reed Switch Motor, http://members.tripod.com/simplemotor/rsmotor.htm , available at least by 01/06/03, 4 pages.	
	A146	Reed Relay Technical & Applications Information, COTO Technology, 55 Dupont Drive, Providence, RI, pgs. http://www.cotorelay.com/ReedTech.pdf , available at least by 01/06/03, 37-43.	
	A147	Willibert Schleuter, <u>Das elektrische Ersatzschaltbild des Bleiakкумуляtors unter Berücksichtigung erzwungener Elektrolytströmung</u> , etz Archiv, Vol.4 (1982), Issue 7, pages 213 -218	
	A148	Lürkens et al., <u>Ladezustandsschätzuntt von Bleibatterien mit Hilfe des Kalman-Filters</u> , etz Archiv, Vol. 8 (1986), Issue 7, pages 231 -236	
	A149	BROOKE, L., "Resin Keeps Batteries Cool", A1 Inside Magazine, November, 1998, pg. 55	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 1, 2004 <i>(use as many sheets as necessary)</i>		Application Number	10/706,541
		Filing Date	11/12/2003
		First Named Inventor	Gerolf Richter
		Group Art Unit	2838
		Examiner Name	To be determined
Sheet 6 of 6	Attorney Docket Number	054821-0875	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A156	BAERT, D & VERVAET, A., "Lead-Acid Battery Model for the Derivation of Peukert's Law," Electrochimica Acta, Elsevier Science Publishers, Barking, GB, Vol. 44, No. 20, pages 3491-3504 XP004168624 ISSN: 0013-4686.	
	A157	International Search Report for PCT/US02/19760 (international filing date 06/21/2002), date of mailing 10/10/2002.	
	A158	Conference Proceedings, Intelec '86 - International Telecommunications Energy Conference, Determining the End of Battery Life - Sheldon DeBardelaben, New York Telephone Company, bearing a designation "October 19-22, 1986." (6 sheets)	
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